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List of key words used in the annual subject indexes

(valid from January 2001)

This list is common to *Monthly Notices of the Royal Astronomical Society*, *Astronomy and Astrophysics*, and *The Astrophysical Journal*. In order to ease the search, the key words are subdivided into broad categories. No more than *six* subcategories altogether should be listed for a paper.

The subcategories in boldface containing the word 'individual' are intended for use with specific astronomical objects; these should never be used alone, but always in combination with the most common names for the astronomical objects in question. Note that each object counts as one subcategory within the allowed limit of six.

The parts of the key words in italics are for reference only and should be omitted when the key words are entered on the manuscript.

General

editorials, notices
errata, addenda
extraterrestrial intelligence
history and philosophy of astronomy
miscellaneous
obituaries, biographies

Physical data and processes

acceleration of particles
accretion, accretion discs
astrobiology
astrochemistry
atomic data
atomic processes
black hole physics
conduction
convection
dense matter
diffusion
elementary particles
equation of state
gravitation
gravitational lensing
gravitational waves
hydrodynamics
instabilities
line: formation
line: identification
line: profiles
magnetic fields
(magnetohydrodynamics) MHD
masers
molecular data
molecular processes
neutrinos
nuclear reactions, nucleosynthesis, abundances
plasmas
polarization
radiation mechanisms: general
radiation mechanisms: non-thermal
radiation mechanisms: thermal
radiative transfer
relativity
scattering
shock waves
stellar dynamics
turbulence
waves

Astronomical instrumentation, methods and techniques

atmospheric effects
balloons
instrumentation: adaptive optics
instrumentation: detectors
instrumentation: high angular resolution
instrumentation: interferometers
instrumentation: miscellaneous
instrumentation: photometers
instrumentation: polarimeters
instrumentation: spectrographs
light pollution
methods: analytical
methods: data analysis
methods: laboratory
methods: miscellaneous
methods: *N*-body simulations
methods: numerical
methods: observational
methods: statistical
site testing
space vehicles: instruments
techniques: high angular resolution
techniques: image processing
techniques: interferometric
techniques: miscellaneous
techniques: photometric
techniques: polarimetric
techniques: radar astronomy
techniques: radial velocities
techniques: spectroscopic
telescopes

Astronomical data bases

astronomical data bases: miscellaneous
atlases
catalogues
surveys

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Astrometry and celestial mechanics

astrometry
celestial mechanics
eclipses
ephemerides
occultations
reference systems
time

The Sun

Sun: abundances
Sun: activity
Sun: atmosphere
Sun: atmospheric motions
Sun: chromosphere
Sun: corona
Sun: coronal mass ejections (CMEs)
Sun: evolution
Sun: faculae, plages
Sun: filaments
Sun: flares
Sun: fundamental parameters
Sun: general
Sun: granulation
Sun: helioseismology
Sun: infrared
Sun: interior
Sun: magnetic fields
Sun: oscillations
Sun: particle emission
Sun: photosphere
Sun: prominences
Sun: radio radiation
Sun: rotation
(Sun:) solar–terrestrial relations
(Sun:) solar wind
(Sun:) sunspots
Sun: transition region
Sun: UV radiation
Sun: X-rays, gamma-rays

Solar system

comets: general
comets: individual:...
Earth
interplanetary medium
Kuiper Belt
meteors, meteoroids
minor planets, asteroids
Moon
Oort Cloud
planets: rings
planets and satellites: formation
planets and satellites: general
planets and satellites: individual:...
Solar system: formation
Solar system: general

Stars

stars: abundances
stars: activity
stars: AGB and post-AGB
stars: atmospheres
(stars:) binaries *(including multiple)*: close
(stars:) binaries: eclipsing
(stars:) binaries: general
(stars:) binaries: spectroscopic
(stars:) binaries: symbiotic
(stars:) binaries: visual
(stars:) blue stragglers
stars: carbon
stars: chemically peculiar
stars: chromospheres
(stars:) circumstellar matter
stars: coronae
stars: distances
stars: dwarf novae
stars: early-type
stars: emission-line, Be
stars: evolution
stars: flare
stars: formation
stars: fundamental parameters *(classification, colours, luminosities, masses, radii, temperatures, etc.)*
stars: general
(stars:) Hertzsprung–Russell (HR) diagram
stars: horizontal branch
stars: imaging
stars: individual:...
stars: interiors
stars: kinematics
stars: late-type
stars: low-mass, brown dwarfs
stars: luminosity function, mass function
stars: magnetic fields
stars: mass-loss
stars: neutron
(stars:) novae, cataclysmic variables
stars: oscillations *(including pulsations)*
(stars:) planetary systems
(stars:) planetary systems: formation
(stars:) planetary systems: protoplanetary discs
stars: Population II
stars: pre-main-sequence
(stars:) pulsars: general
(stars:) **pulsars: individual:...**
stars: rotation
stars: spots
stars: statistics
(stars:) subdwarfs
(stars:) supergiants
(stars:) supernovae: general
(stars:) **supernovae: individual:...**
(stars: variables:) Cepheids
(stars: variables:) δ Scuti
stars: variables: other
(stars:) white dwarfs
stars: winds, outflows
stars: Wolf–Rayet

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Index key words

Interstellar medium (ISM), nebulae

ISM: abundances
ISM: atoms
ISM: bubbles
ISM: clouds
(ISM:) cosmic rays
(ISM:) dust, extinction
ISM: evolution
ISM: general
ISM: globules
(ISM:) H II regions
ISM: Herbig–Haro objects
ISM: individual:...
(except planetary nebulae)
ISM: jets and outflows
ISM: kinematics and dynamics
ISM: lines and bands
ISM: magnetic fields
ISM: molecules
(ISM:) planetary nebulae: general
(ISM:) **planetary nebulae: individual:...**
(ISM:) reflection nebulae
ISM: structure
(ISM:) supernova remnants

The Galaxy

Galaxy: abundances
Galaxy: bulge
Galaxy: centre
Galaxy: disc
Galaxy: evolution
Galaxy: formation
Galaxy: fundamental parameters
Galaxy: general
(Galaxy:) globular clusters: general
(Galaxy:) **globular clusters: individual:...**
Galaxy: halo
Galaxy: kinematics and dynamics
Galaxy: nucleus
(Galaxy:) open clusters and associations: general
(Galaxy:) **open clusters and associations: individual:...**
(Galaxy:) solar neighbourhood
Galaxy: stellar content
Galaxy: structure

Galaxies

galaxies: abundances
galaxies: active
(galaxies:) BL Lacertae objects: general
(galaxies:) **BL Lacertae objects: individual:...**
galaxies: bulges
galaxies: clusters: general
galaxies: clusters: individual:...
(galaxies:) cooling flows
galaxies: distances and redshifts
galaxies: dwarf
galaxies: elliptical and lenticular, cD
galaxies: evolution
galaxies: formation
galaxies: fundamental parameters
(classification, colours, luminosities, masses, radii, etc.)
galaxies: general
galaxies: haloes
galaxies: high-redshift
galaxies: individual:...
galaxies: interactions
(galaxies:) intergalactic medium
galaxies: ISM
galaxies: irregular
galaxies: jets
galaxies: kinematics and dynamics
(galaxies:) Local Group
galaxies: luminosity function, mass function
(galaxies:) Magellanic Clouds
galaxies: magnetic fields
galaxies: nuclei
galaxies: peculiar
galaxies: photometry
(galaxies:) quasars: absorption lines
(galaxies:) quasars: emission lines
(galaxies:) quasars: general
(galaxies:) **quasars: individual:...**
galaxies: Seyfert
galaxies: spiral
galaxies: starburst
galaxies: star clusters
galaxies: statistics
galaxies: stellar content
galaxies: structure

Cosmology

(cosmology:) cosmic microwave background
(cosmology:) cosmological parameters
cosmology: miscellaneous
cosmology: observations
cosmology: theory
(cosmology:) dark matter
(cosmology:) diffuse radiation
(cosmology:) distance scale
(cosmology:) early Universe
(cosmology:) large-scale structure of Universe

Sources as a function of wavelength

gamma-rays: bursts
gamma-rays: observations
gamma-rays: theory
infrared: galaxies
infrared: general
infrared: ISM
infrared: Solar system
infrared: stars
radio continuum: galaxies
radio continuum: general
radio continuum: ISM
radio continuum: Solar system
radio continuum: stars
radio lines: galaxies
radio lines: general

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radio lines: ISM
radio lines: Solar system
radio lines: stars
submillimetre
ultraviolet: galaxies
ultraviolet: general
ultraviolet: ISM
ultraviolet: Solar system
ultraviolet: stars

X-rays: binaries
X-rays: bursts
X-rays: diffuse background
X-rays: galaxies
X-rays: galaxies: clusters
X-rays: general
X-rays: individual:...
X-rays: ISM
X-rays: stars

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